

SPARCAST LC 90 SB-2 PRODUCT INFORMATION

SPARCAST LC 90 SB-2 is a high strength, high density, thermal shock resistant castable with good volume stability. It contains a silicon carbide reinforced matrix and special sintering aids to make it extremely resistant to all iron making slags.

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Dry Castable Requirement	180.0 lbs./cu.ft.
Mix Water Required to Cast (% by weight):	5.5 to 6.5
Bulk Density after 230°F	175 - 180 lbs./cu.ft
Modulus of rupture	
After Drying at 230°F	1600-2080 lbs/sq.in.
After Heating to 1500°F	2000-2700 lbs/sq.in
After Heating to 2250°F	2850-4000 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	7650-9750 lbs/sq.in.
After Heating to 1500°F	7200-11,000 lbs/sq.in
After Heating to 2250°F	8250-13,000 lbs/sq.in
Linear Change, %	
After Drying at 230°F	0.0 to -0.5
After Heating to 1500°F	0.0 to -0.2
After Heating to 2250°F	0.0 to -0.5
After Heating to 3140°F	+0.2 to +0.8
Typical Chemical Analysis, %	
Al ₂ O ₃	70
SiC + C	20+

The above are average results and do not constitute a specification.

SPARCAST LC 90 SB-2 is available in 50# bags, 100# bags or 1000#, 2000#, and 3000# bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE